•								Page 1 c	<u> </u>
Form PTO-14	49	U.S. DEPARTMEN			ATTY. DOCKET NO.	_	SERIAL NO		
(MODIFIED)		PATENT AND TR	ADEMARK OFFIC	E	·			695,067	
					APPLICANT				
INFO	DRMATI	ON DISCLOSURE	CITATION		T	adashi EMOR	c, et al.		
					FILING DATE		GROUP AR	TUNIT	
	(Use se	everal sheets if neces	ssarv)		10/25/2	000		2641	
	(000			ren	T DOCUMENTS		***************************************		
			U.S. FA				T	FII 1NO	DATE
EXAMINER	DEE	DOCUMENT	DATE		NAME	CLASS	SUB-	FILING	
INITIAL	REF	NUMBER	2,112				CLASS	APPRO	PRIATE
Ma	A1	5,625,747	04/29/97	Gold	iberg et al.	395	2.52		
PE		0,020,111	0 1120101				 		
	<u></u>						REC	CEIVE	D-
OCT 1 6 200	77								
	الخ		ļ.				OCT	1 7 20	01
PADEMAR	5						Technolog	W Contor	2600
PADEM	<u> </u>							ij ventor	2000
						_			
		<u> </u>	<u> </u>					<u> </u>	
			FOREIGN I	PAT	ENT DOCUMENTS	<u> </u>			
	DEE	DOCUMENT	DATE		COUNTRY	CLASS	SUB-		LATION
	REF	NUMBER	5/1/2				CLASS	YES	NO
mo	A2	0 866 442 A2	09/23/98	Eur	ope				_
	1.								
	 								
							 		
	<u> </u>		<u> </u>						l
		OTHER DOCU	MENTS (Includia	ng A	luthor, Title, Date, P	Pertinent Pages	Etc.)		
1 1	1	S. Umesh et al., "F	requency-Warping	an	d Speaker-Normalizati	ion," <u>IEEE Intern</u>	ational Confe	rence on	
Ship	A3	Acoustics, Speech	and Signal Proces	ssin	g, vol. 2, pgs. 983-986	6, Munich, Germa	any, (1997), @	1997 IEE	E
MO	A4	L. Lee et al., "A Free Audio Processing,	equency Warping	App 110	roach to Speaker Norr	nalization," <u>IEEE</u>	ransactions	on Speed	cn and
		T. Fukada et al "S	Speaker Normalize	d A	coustic Modeling Base	ed on 3-D Viterbi	Decoding," IE	EE Confe	erence,
Mo	A5	vol. 23., Pgs., 437-	440, (1998), © 19	98 I	EEE.		_		
	 								
		-							
EVALUET	<u> </u>	1			DATE CONSIDI	ERED			
EXAMINER	MI	Myson			2/24/05	ENED			
		<i>I</i>							0. 6
* EXA	MINER	Initial if citation	considered, w	heti	ner or not citation	is in conform	ance with N	MPEP 60	y; Drav
line	throug	h citation if not it ition to applicant.	1 contormance	and	i not considered.	include any c	opy or this	totti w	illi liex

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

number. Substitute for form 1449B/PTO Complete if Known 09/695,067 **Application Number** INFORMATION DISCLOSURE 10/25/2000 STATEMENT BY APPLICANT **Filing Date** First Named Inventor Tadashi EMORI Date Submitted: November 5, 2004 Group Art Unit 2655 M. N. Opsasnick echnology Center 260 **Examiner Name** (use as many sheets as necessary) Sheet 1 of Attorney Docket Number 071671-0156

	U.S. PATENT DOCUMENTS										
Examiner Cite No.1		U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
		Number	Kind Code ² (if known)		Cited Document MM-DD-YYYY						
		,									

				<u></u>	OREIGN PATENT DOCUMEN			
Examiner	Cite	Fore	eign Patent D	Ocument	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	
nitials*	No. ¹	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Documents	MM-DD-YYYY	Passages or Relevant Figures Appear	T
					<u> </u>			
								<u> </u>
								$oldsymbol{ol}}}}}}}}}}}}}}}}}$
					<u> </u>			
					<u> </u>			
								_

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T6
MO	A1	TADASHI EMORI KOICHI SHINODA, Vocal Tract Length Normalization Using Rapid Maximum-Likelihood Estimation for speech Recognition, pages 49-54	

Examiner Signature	MMysand	Date Considered	2/24/05

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

are require	d to respond to a collection of the
Under the Paperwork Reduction Act of 1995, no persons are require	Complete if Known
number. Substitute for form 1449B/PTO	Application Number 09/695,067
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filling Date Tadashi EMORI First Named Inventor 2655
Date Submitted: March 8, 2005	Group Art Unit M. N. Opsasnick Examiner Name M. N. Opsasnick
(use as many sheets as necessary) of 1	Attorney Docket Number 071671-0156

				U.S. PATENT DOCUMENTS		Pages, Columns, Lines, Where Relevant
	Cite	U.S. Patent De	T Kind	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
xaminer nitials*	No.¹	Number	Code ² (if known)	Goldberg et al.	4/29/1997	
MO	A1	5,625,747 OIP		Colcord		
		1	1			
	-	MAR 1	2005			
		-	ARECES			

		TR	ADEMARK			POCUMEN'	rs	Pages, Columns, Lines,	\exists
	Cite	Fore	ign Patent Do			Name of Patentee or Applicant of Cited Documents	Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
Examiner Initials*	No.1	Office ³	Number ⁴ 0 866 442	(if known)) l	AT & T Corp.	9/23/1998		
110	A2	EPO	0 800 442						
	 	-							
	-						MENTS		

		NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the linear properties in the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the linear properties in the article (when appropriate), title of the linear properties (when appropriate), title of the li	T⁵
xaminer nitials*	Cite No. ¹	item (book, magazine, jublisher, city and/of water) 1997 JEEE INTERNATIONAL	
mo	A3	UMESH S ET AL: "Frequency-warping and speaker-normalization" SSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB30032), CAT. NO. 97CB30032	-

10 m. // /	Date Considered	2/24/05
Examiner Signature Millia Signature Initial if reference considered, whether or not citation is in conformance with MPEP 60	9. Draw line through citation if	not in conformance and not
Signature // signa	that issued the document, by	the two-letter code (WIPO

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the the the thing of the section of the section of the transmission of the individual case. Any comments on the the thing of the thing of the section of the thing of the individual case. Any comments on the thing of the section of the sect

Considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. The formal serial number of the patent document of the year of the reign of the Emperor must precede the serial number of the patent document. Standard ST.3) For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Standard ST.3 for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Standard ST.3 for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Standard ST.3 for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Standard ST.3 for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Standard ST.3 for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the year of the reign of the Emperor must precede the serial number of the year of the reign of the Emperor must precede the serial number of the year of the reign of the Emperor must precede the serial number of the year of the reign of the Emperor must precede the serial number of the year of the reign of the Emperor must precede the serial number of the year of the reign of the Emperor must precede the serial number of the year of the reign of the Emperor must precede the year of the year of the reign of the year of the y

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

	Substitute f	or form 1449B	/PTO		Complete if Known	OIPE
	INFORMAT	ON DISCLO	SURE	Application Number	09/695,067	1
	STATEMEN	T BY APPL	ICANT	Filing Date	10/25/2000	88
	Data Submi	tted: April 11	2005	First Named Inventor	Tadashi EMORI	g APR 1 2005 u
	Date Subini	ilea. April 11	, 2005	Group Art Unit	2655	R S
	(use as many	sheets as ne	cessary)	Examiner Name	M. N. Opsasnick	(A)
Sheet	1	of	1	Attorney Docket Number	071671-0156	MADEMARK

U.S. PATENT DOCUMENTS										
		U.S. Patent	Document		Date of Publication of	Pages, Columns, Lines, Where Relevant				
Examiner Initials*	Cite No. ¹	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear				
IN	A1	5,625,747		Goldberg et al.	4/29/1997					
			 							

FOREIGN PATENT DOCUMENTS											
Examiner Initials*	Cite No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant				
		Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Documents	MM-DD-YYYY	Passages or Relevant Figures Appear	T [®]			
110	A2	EPO	0 866 442	A3	AT & T Corp.	9/23/1998					
							·	—			
								+			
								Ţ			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
m	A3	UMESH S., ET AL: "Frequency-warping and speaker-normalization" 1997 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING (CAT. NO. 97CB36052), MUNICH, GERMANY, 21-24 APRIL 1997, pages 983-986 vol. 2, XP002172330 1997, Los Alamitos, CA, USA, IEEE Comput. Soc. Press, USA ISBN: 0-8186-7919-0	
	_		

Examiner Signature	MMlfson	Date Considered	3/24/05
25444			

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.